

AMENDMENTS TO THE CLAIMS

1-14. (Cancelled)

15. (Previously presented) An information processing apparatus, comprising:

detection means for successively detecting a plurality of graphic images representative of input data inputted from a different information processing apparatus through successive display of the graphic images on said different information processing apparatus; and

acquisition means for acquiring the input data based on the graphic images successively detected by said detection means, further comprising:

display means for displaying a predetermined image; and

formation means for forming, at a portion of a display region of said display means in which the predetermined image is displayed, a detection region in which the graphic images are successively detected by said detection means.

16. (Previously presented) An information processing apparatus, comprising:

detection means for successively detecting a plurality of graphic images representative of input data inputted from a different information processing apparatus through successive display of the graphic images on said different information processing apparatus; and

acquisition means for acquiring the input data based on the graphic images successively detected by said detection means, further comprising:

display means for displaying a predetermined image; and

formation means for forming, at a portion of a display region of said display means in which the predetermined image is displayed, a detection region in which the graphic images are successively detected by said detection means,

wherein said formation means forms the detection region by applying, to each of pixels in the display region in which the detection region is formed, a voltage reverse to a voltage which is applied to each of pixels which display the image.

17. (Previously presented) An information processing apparatus, comprising:

detection means for successively detecting a plurality of graphic images representative of input data inputted from a different information processing apparatus through successive display of the graphic images on said different information processing apparatus; and

acquisition means for acquiring the input data based on the graphic images successively detected by said detection means, further comprising:

display means for displaying a predetermined image; and

formation means for forming, at a portion of a display region of said display means in which the predetermined image is displayed, a detection region in which the graphic images are successively detected by said detection means,

wherein said detection means detects electric current generated in response to light from the outside in an active semiconductor layer of a transistor disposed in each of pixels which form the detection region.

18. (Previously presented) An information processing apparatus, comprising:

detection means for successively detecting a plurality of graphic images representative of input data inputted from a different information processing apparatus through successive display of the graphic images on said different information processing apparatus; and

acquisition means for acquiring the input data based on the graphic images successively detected by said detection means, further comprising:

display means for displaying a predetermined image; and

formation means for forming, at a portion of a display region of said display means in which the predetermined image is displayed, a detection region in which the graphic images are successively detected by said detection means,

wherein said detection means detects electric current generated in response to light from the outside in an electroluminescent element disposed in each of pixels which form the detection region.

19. (Previously presented) An information processing apparatus, comprising:

detection means for successively detecting a plurality of graphic images representative of input data inputted from a different information processing apparatus through successive display of the graphic images on said different information processing apparatus; and

acquisition means for acquiring the input data based on the graphic images successively detected by said detection means, further comprising:

display means for displaying a predetermined image; and

formation means for forming, at a portion of a display region of said display means in which the predetermined image is displayed, a detection region in which the graphic images are successively detected by said detection means,

wherein said formation means forms the detection region such that the detection region is successively moved in synchronism with scanning of a screen by said display means.

20-28. (Cancelled)

29. (Previously presented) An information processing apparatus, comprising:

a display section including a plurality of pixels each including an electroluminescent element for emitting light to display an image;

changeover means for changing over direction of a voltage to be applied to each electroluminescent element to change over driving of the electroluminescent element between driving for light emission and driving for light reception; and

detection means for detecting an input from the outside based on electric current generated in any electroluminescent element driven for light reception as a result of a changeover by said changeover means when an electroluminescent element receives light;

wherein said changeover means forms a detection region, including a plurality of pixels whose respective electroluminescent elements are driven for light reception, in a predetermined region of said display section; and

wherein said changeover means forms a display region, including a plurality of pixels whose respective electroluminescent elements are driven for light emission, in a region of said display section separated from the detection region.

30. (Previously presented) An information processing apparatus, comprising:
a display section including a plurality of pixels each including an electroluminescent element for emitting light to display an image;
changeover means for changing over direction of a voltage to be applied to each electroluminescent element to change over driving of the electroluminescent element between driving for light emission and driving for light reception; and
detection means for detecting an input from the outside based on electric current generated in any electroluminescent element driven for light reception as a result of a changeover by said changeover means when an electroluminescent element receives light,
wherein said changeover means forms, in proximity of a first pixel including a first electroluminescent element driven for light emission, a second pixel including a second electroluminescent element driven for light reception, and said detection means detects an input from the outside based on electric current generated when said second electroluminescent element receives reflected light originating from light emitted from said first electroluminescent element.

31. (Previously presented) An information processing apparatus, comprising:
a display section including a plurality of pixels each including an electroluminescent element for emitting light to display an image;
changeover means for changing over direction of a voltage to be applied to each electroluminescent element to change over driving of the electroluminescent element between driving for light emission and driving for light reception; and
detection means for detecting an input from the outside based on electric current generated in any electroluminescent element driven for light reception as a result of a changeover by said changeover means when an electroluminescent element receives light,
wherein said changeover means forms, in proximity of a first pixel including a first electroluminescent element driven for light emission, a second pixel including a second electroluminescent element driven for light reception, and said detection means detects an input from the outside based on electric current generated when said second electroluminescent element receives reflected light originating from light emitted from said first electroluminescent element,

wherein said detection means detects that a predetermined object is positioned in proximity of a surface of said display section as an input from the outside.

32. (Previously presented) An information processing apparatus, comprising:
a display section including a plurality of pixels each including an electroluminescent element for emitting light to display an image;
changeover means for changing over direction of a voltage to be applied to each electroluminescent element to change over driving of the electroluminescent element between driving for light emission and driving for light reception; and
detection means for detecting an input from the outside based on electric current generated in any electroluminescent element driven for light reception as a result of a changeover by said changeover means when an electroluminescent element receives light,
wherein said changeover means forms, in proximity of a first pixel including a first electroluminescent element driven for light emission, a second pixel including a second electroluminescent element driven for light reception, and said detection means detects an input from the outside based on electric current generated when said second electroluminescent element receives reflected light originating from light emitted from said first electroluminescent element,
wherein said detection means detects plane information of an object which contacts with or is positioned in the proximity of a surface of said display section as an input from the outside based on electric current generated when said second electroluminescent element receives reflected light originating from light emitted from said first electroluminescent element.

33. (Previously presented) An information processing apparatus, comprising:
a display section including a plurality of pixels each including an electroluminescent element for emitting light to display an image;
changeover means for changing over direction of a voltage to be applied to each electroluminescent element to change over driving of the electroluminescent element between driving for light emission and driving for light reception; and

detection means for detecting an input from the outside based on electric current generated in any electroluminescent element driven for light reception as a result of a changeover by said changeover means when an electroluminescent element receives light,

wherein said changeover means forms, in proximity of a first pixel including a first electroluminescent element driven for light emission, a second pixel including a second electroluminescent element driven for light reception, and said detection means detects an input from the outside based on electric current generated when said second electroluminescent element receives reflected light originating from light emitted from said first electroluminescent element,

wherein said first electroluminescent element emits light of a predetermined wavelength, and said second electroluminescent element has a high light reception sensitivity to light of the predetermined wavelength.

34-35. (Cancelled)